NorAngle System

The NorAngle is a biaxial electrogoniometer instrument designed for the measurement of joint angles during dynamic movement. The NorAngle provides clear, biaxial angle signals that can interface to most systems that accept analog inputs. Noraxon's NorAngle effectively measures joint angle movement at a fraction of the cost of complex digitized video systems.

The system can provide up to two axis angles per joint. It is designed to work with Noraxon's MyoSystem™ fixed cable sEMG instruments (1200, 1400) and Noraxon's TeleMyo telemetered sEMG instruments (900, 2400). NorAngle's capabilities are most apparent when combined with Noraxon's TeleMyo™ telemetered sEMG. This combination will allow one hundred percent freedom and range of movement and also provides accurate joint angle data in addition to Noraxon's patented artifact-free multiple channel sEMG. These parameters measured in this manner are invaluable in accessing true "real-life" function.

The NorAngle may also be used as a stand-alone electrogoniometer package when used with a data acquisition system. The lightweight, belt-worn interface pack is delivered with a flexible, twenty-foot (6.1 meter) long tether and the analog output can be connected to any acquisition system for storage and/or analysis of the angle data. The NorAngle is a versatile, cost-effective device whenever you require angular measurement of human joints or any other mechanical movement.

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NorAngle System

BENEFITS

- Provides real-time angle data
- Documents range of motion
- Can be used with various systems
- Low cost

FEATURES

- Small & lightweight
- Very portable
- Operates on one 9 volt battery
- Provides two axes for each joint measured
- Compatible with Noraxon EMG systems

APPLICATIONS

- Research
- Rehabilitation
- Gait
- Sports
- Training
- Industrial development
- Ergonomics

SPECIFICATIONS

System

- Accuracy: ± 2.5 degrees

Amplifier Pack

- Operational
- Gain
- Bandwidth
- Power: one 9 volt battery
- Battery life: 2 hrs cont
- Analog output: ± 2.5 Volts

Physical

- Length: 6.5" (16.51 cm)
- Width: 2.75" (6.99 cm)
- Output Cable: 20 ft long (6.10 m)
- Height: 1" (2.54 cm)
- Weight: 1 lb (0.45 kg)

Goniometers

- Penny-Giles

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